

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 12/21/2020 09:17 AM
Cytometer Baseline: 12/15/2020 11:39 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 91417 **Expiration Date:** 03/31/2021
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123814	-1	2.36	123823	2.34
Blue	F	SSC	125000	123582	-2	2.58	124414	2.49
Blue	E	FITC	14203	13629	-5	2.96	294	15.61
Blue	D	PE	25703	25140	-3	2.74	543	11.14
Blue	B	PerCP-Cy5-5	42104	41319	-2	3.54	921	14.96
Blue	A	PE-Cy7	34646	33732	-3	5.34	478	30.52
Red	C	APC	49824	48417	-3	2.27	1491	10.82
Red	A	APC-Cy7	39773	38503	-4	2.41	719	11.60
Violet	B	V450	7447	7168	-4	4.44	405	13.87
Violet	A	V500	31193	29755	-5	4.17	675	11.18

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21524	2.72	548	-8	N/A	N/A	Pass
Blue	F	SSC	53932	2.54	514	2	N/A	N/A	Pass
Blue	E	FITC	53	54.62	487	1	0.0387	88	Pass
Blue	D	PE	108	38.51	489	4	0.3151	213	Pass
Blue	B	PerCP-Cy5-5	174	37.07	583	6	0.0186	66	Pass
Blue	A	PE-Cy7	109	66.53	629	9	0.0206	3	Pass
Red	C	APC	345	23.13	564	-3	0.0305	113	Pass
Red	A	APC-Cy7	199	24.56	541	-3	0.0063	716	Pass
Violet	B	V450	89	46.44	450	1	0.0429	2067	Pass
Violet	A	V500	118	38.09	467	0	0.0249	2285	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.32	-31.12	1.08
Blue	20.34	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.41
Red	20.13	15.99 - 23.99	N/A	N/A	29.63	29.82	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.78

Threshold

Threshold (FSC): 11649

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments